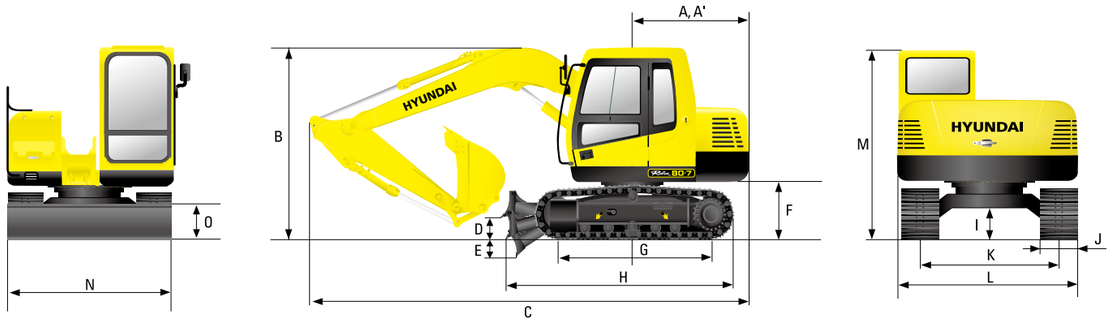
Dimensions



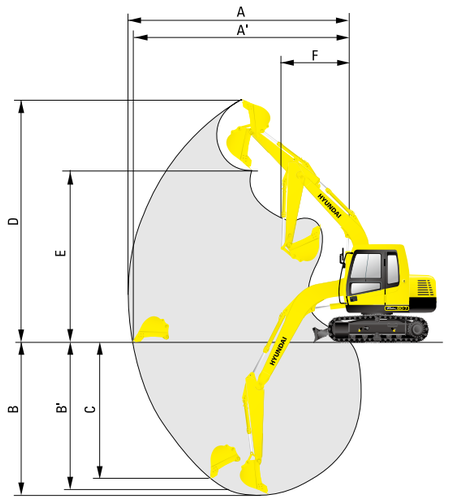
A	Tail swing radius	1,750 mm (5' 9")
A'	Rear-end length	1,727 mm (5' 8")
B	Overall height of boom	2,750 mm (9' 0")
C	Overall length	6,080 mm (19' 11")
D	Ground Clearance of blade up	400 mm (1' 4")
E	Depth of blade down	280 mm (0' 11")

F	Ground clearance of counterweight	760 mm (2' 6")
G	Tumbler distance	2,130 mm (6' 12")
H	Length of lower blade with dozer blade	3,340 mm (10'11")
I	Min. ground clearance	360 mm (1' 2")
J	Track shoe width	450 mm (1' 6")
K	Track gauge	1,750 mm (5' 9")

L	Overall width of upperstructure	2,260 mm (7' 5")
M	Overall height of cabin	2,640 mm (8' 8")
N	Overall width	2,200 mm (7' 3")
O	Height of blade	460 mm (1' 6")

mm (ft·in)

Working ranges



	Boom length	3,700 mm (12' 2")
	Arm length	1,670 mm (5' 6")
A	Max. digging reach	6,330 mm (20' 9")
A'	Max. digging reach at ground	6,190 mm (20' 4")
B	Max. digging depth	4,150 mm (13' 7")

B'	Max. digging depth (8ft level)	3,810 mm (12' 6")
C	Max. vertical digging depth	3,200 mm (10' 6")
D	Max. digging height	7,260 mm (23' 10")
E	Max. dumping height	5,170 mm (16' 12")
F	Min. swing radius	1,750 mm (5' 9")

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
* The photos may include attachments and optional equipment that are not available in your area.
* Materials and specifications are subject to change without advance notice. * All imperial measurements rounded off to the nearest pound or inch.

Standard Equipment

ISO standard cabin
- All-weather steel cab with all-around visibility
- Safety glass windows
- Rise-up type windshield wiper
- Sliding fold-in front window
- Sliding side window
- Lockable door
- Hot & cool box
- Accessory box & Ashtray

Heater & Defroster
Self diagnostic system
Starting aid (air grid heater), cold weather
Centralized monitoring
- Engine speed
- Gauges
  Fuel level gauge
  Engine coolant temperature gauge
- Warning
  Engine coolant & Fuel level
  Engine oil pressure
  Engine coolant temperature
  Hyd. oil temperature
  Low battery
  Air cleaner clogging

Door and cab locks, one key
AM/FM radio and USB player
- Remote control switch

Two outside rearview mirrors
Fully adjustable suspension seat with seat belt
Slidable joystick, pilot-operated
Console box tilting system(LH.)
Three front working lights
Electric horn
Batteries (2 x 12V x 68AH)
Battery master switch
Removable clean out screen for oil cooler
Automatic swing brake
Removable reservoir tank
Water separator, fuel line
Boom holding system
Arm holding system
Counterweight (540kg, 1190lb)
Mono boom (3.7m, 12' 2")
Arm (1.67m, 5' 6")
Track shoes (450m, 18")
Track rail guard
Cabin roof-cover steel

Optional Equipment

Air-conditioner (5000 kcal/hr, 20000 BTU/hr)
Fuel filler pump (35l/min, 9.3 US gpm)
Beacon lamp
Safety lock valve for boom cylinder
Single acting piping kit (breaker, etc)
Double acting piping kit (clamshell, etc)
Accumulator, work equipment lowering
Travel alarm
Lever Pattern Change Valve
12 volt power outlet (24V DC to 12V DC converter)
Lower frame under cover
Tool kit
Operator suit
Adjustable air suspension seat
Cabin roof-cover transparent
Adjustable air suspension seat with heater
Mechanical air suspension seat with heater
Track shoes (600 mm, 24 ")
Rubber track (450mm, 18")

PLEASE CONTACT

HYUNDAI
CONSTRUCTION EQUIPMENT

Head Office (Sales office)
First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

www.hyundai-ce.com

2017. 11 Rev.9

Some of the photos may include optional equipment.

MOVING YOU FURTHER

HYUNDAI MIDI EXCAVATOR
Applied Tier 2 Engine

80-7

HYUNDAI
CONSTRUCTION EQUIPMENT

Hyundai Robex 80-7

Maximized Workability
Comfortable Operating Environment
Improve Fuel Efficiency
Advanced Hydraulic System
Greater Ability For Precise And Fine Operations By Better Controllability
Enhanced Durability & Reliability

Some of the photos may include optional equipment.

Powerful Low Emission Engine Tier II

YANMAR 4TNV98

60HP / 2,100rpm

Yanmar 4TNV98 engine provides 25.2 kgf.m (247 lbf.ft) of maximum torque with 60 HP at 2,100 rpm of rated power.
This means the R80-7 runs with the most power in its class, giving you more power to get the job done.

Technology in Cab Design

Wide, Comfortable Operating Space

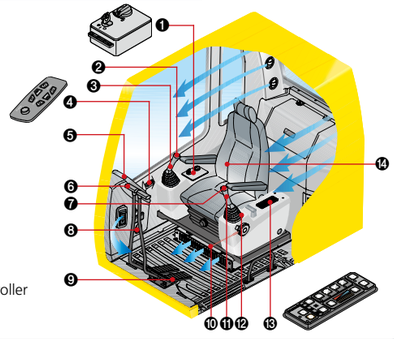
All the controls are designed and positioned according to the latest ergonomic research.
Reinforced pillars have also been added for greater cab rigidity.

Reliability & Serviceability

Convenient and Comfortable Space

The best working conditions in a pleasant environment.

❶ Centralized control panel
❷ Horn button
❸ Option button
❹ Remote radio control
❺ Travel lever
❻ Cluster
❼ One touch decel button
❽ Hour meter
❾ Travel pedal
❿ Safety lever
⓫ Option button
⓬ Joystick control lever
⓭ Air conditioner and heater controller
⓮ Fully adjustable suspension seat



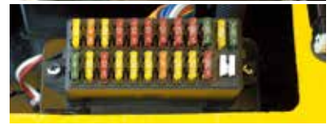
❶ Wide, Comfortable Operating Space
❷ Steel Cover Sunroof
❸ Dial Type Engine Speed Switch and Key Switch

Easy Maintenance and Serviceability

Easy to Maintain Engine Components

The R80-7 was built with accessibility in mind. All doors, covers and hoods were built for complete open access. You'll find that the R80-7 offers plenty of space to complete your regular maintenance and service hassle-free.

Centralized Tool Box & Fuse Box



Battery Master Switch

The battery master switch enables checking and maintaining the battery while minimizing the discharge of battery.

Wide Cab with Excellent Visibility

The cab is roomy and ergonomically designed with low noise level and good visibility.
A full view front window and large rear and side windows provide excellent visibility in all directions.

Highly Sensitive Joystick and Easy Entrance

New joystick grips for precise control have been equipped with dou-ble switches.
(Left: Power boost / One touch deceleration, Right: Horn/Optional)

Storage box and Cup Holder

An additional storage box and cup holder are located behind operator's seat, and it keeps food and beverages cool or hot.

Rear Emergency Exit Window

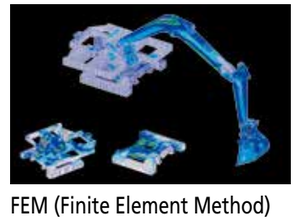
Rear Exit Window is designed with easy exit for operator's safety.

Easy Change Air Cleaner

The R80-7 is fitted with durable plastic air cleaner for easy maintenance and quick service.

High Capacity Water Separator & Fuel Filter

To protect the injection system, high capacity fuel filter and transparent water separator are applied.



FEM (Finite Element Method)

Durability of structure is proven through FEM(Finite Element Method) analysis and long term durability test.

Powerful and Precise Swing Control

Improved shock absorbing characteristics makes stopping a precise and smooth action.

Specifications

Engine

Model			Yanmar 4TNV98
Type			Water cooled, 4 cycle Diesel 4 cylinders in line, direct injection, low emission
Rated flywheel horse power	SAE	J1995(gross)	60 HP (44 kW) at 2100 rpm
		J1349(net)	58 HP (43 kW) at 2100 rpm
	DIN	6271/1(gross)	60.4 PS (44 kW) at 2100 rpm
		6271/1(net)	59 PS (43 kW) at 2100 rpm
Max. torque			25.2 kgf·m (247 lbf·ft) at 1000 rpm
Bore x stroke			98 mm (3.86") x 110 mm (4.33")
Displacement			3319 cc (202 cu in)
Battery			2 x 12 V x 68 AH
Starter motor			24 V-3.5 kW
Alternator			24V-40 A

Hydraulic system

Main pump	
Type	Two Variable displacement piston pumps
Max. flow	2 x 75.6 ℓ pm
Sub-pump for pilot circuit	Gear pump
Hydraulic motors	
Travel	Two speed axial piston motor with counter balance valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	280 kgf/cm² (3980 psi)
Travel circuit	300 kgf/cm² (4267 psi)
Swing circuit	210 kgf/cm² (2990 psi)
Pilot circuit	35 kgf/cm² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinderbore x stroke	Boom : 1 - 115 x 980 mm (4.5" x 38.6")
	Arm : 1 - 95 x 860 mm (3.7" x 33.9")
	Bucket : 1 - 85 x 665 mm (3.3" x 26.2")
	Blade : 1 - 110 x 152 mm (4.3" x 6.0")

Drives & Brakes

Drive method	Full hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	6,400 kgf (11,700 lbf)
Max. travel speed(high)/(low)	4.8 km/hr (2.5 mph) / 3.0 km/hr (1.4 mph)
Gradeability	35° (70%)
Parking brake	Multi-wet disc

Swing system

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease - bathed
Swing brake	Multi wet disc
Swing speed	12.0 rpm

Control

Pilot pressure-operated joysticks and pedal with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Mechanical, cable type
External lights	Two lights mounted on the boom one below the cab

Coolant & Lubricant capacity

(Refilling)	liter	US gal	UK gal
Fuel tank	250	66.0	55.0
Engine coolant	24	6.3	5.3
Engine oil	17.5	4.6	3.8
Swing device	2.5	0.7	0.5
Final drive(each)	2.5	0.7	0.5
Hydraulic system(including tank)	180	47.6	39.6
Hydraulic tank	100	26.4	22.0

Undercarriage

X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricate rollers, track adjusters with shock absorbing springs and sprockets, and track chain with triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	38
No. of carrier roller on each side	1
No. of track roller on each side	5

Operating weight (approximate)

Operating weight, including 3,700 mm (12' 2") boom, 1,670 mm (5' 6") arm, SAE heaped 0.28 m3 (0.37 yd3) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Major component weight	
Upper structure	3,300kg (7,280lb)
Counterweight	1,450kg (3,200lb)
Mono boom(with arm cylinder)	950kg (2,090lb)

Operating weight

Shoes (Triple grouser) mm (in)	Operating weight kg(lb)	Ground pressure kgf/cm²(psi)
※450 (18")	7,800 (17,200)	0.33(4.69)
600 (24")	7,960 (17,550)	0.28(3.98)

※ Standard equipment

Buckets

Capacity		Width		Weight	3.70m (12' 2") Boom
SAE heaped	CECE heaped	Without side cutters	With side cutters		1.67m (5'6") arm
※0.28m³ (0.37 yd³)	0.25m³ (0.33 yd³)	665mm (26.2")	760mm (29.9")	230kg (510 lb)	■
0.31m³ (0.41 yd³)	0.27m³ (0.35 yd³)	720mm (28.3")	815mm (32.1")	245kg (540 lb)	■
0.15m³ (0.19 yd³)	0.13m³ (0.17 yd³)	390mm (15.4")	460mm (18.1")	190kg (420 lb)	■

※ Standard backhoe bucket ■ Applicable for materials with density 1600 kg/m³ (2,700 lb/yd³) or less

	※0.28 m³ (0.37 yd³)	0.31 m3 (0.41 yd3)	0.15 m3 (0.19 yd3)
SAE heaped			

Weight		Length	※1,670 mm (5' 6")
		Weight	310 kg (680 lb)
Bucket digging force	SAE		44.1 kN 4500 kgf 9920 lbf
	ISO		51.0 kN 5200 kgf 11460 lbf
Arm crowd force	SAE		38.2 kN 3900 kgf 8600 lbf
	ISO		39.2 kN 4000 kgf 8820 lbf

※ Standard Arm (Arm weight including cylinder and linkage)

Lifting capacities R80-7

Rating over-front Rating over-side or 360 degree

• Boom : 3.7m(12'2") •Arm : 1.67m(5' 6") •Bucket : 0.28 m³ (0.37 yd³) SAE heaped •Shoe : 450mm(18") triple grouser the dozer blade up

Load Point height m(ft)		Load radius 1.5m (5.0ft)		Load radius 3.0m (10.0ft)		Load radius 4.5m (15.0ft)		At max. reach Capacity		At max. reach Reach
		over-front	over-side	over-front	over-side	over-front	over-side	over-front	over-side	m (ft)
5.0m (15ft)	kg			*1810	*1810			1160	1050	5.06
	lb			*3990	*3990			2560	2310	(16.6)
4.0m (15ft)	kg	*3900	*3900	*2380	*2380	1390	1250	880	790	5.75
	lb	*8600	*8600	*5250	*5250	3060	2760	1940	1740	(18.9)
3.0m (10ft)	kg			2540	2230	1290	1160	790	710	5.95
	lb			5600	4920	2840	2560	1740	1570	(19.5)
Ground Line	kg			2340	2040	1210	1080	820	740	5.70
	lb			5160	4500	2670	2380	1810	1630	(18.7)
2.0m (5ft)	kg	*4800	*4800	2300	2000	1190	1060	1050	950	4.93
	lb	*10580	*10580	5070	4410	2620	2340	2310	2090	(16.2)
1.0m (5ft)	kg	*3960	*3960	*2340	2100					
	lb	*8730	*8730	*5160	4630					

• Boom : 3.7m(12'2") •Arm : 1.67m(5' 6") •Bucket : 0.28 m³ (0.37 yd³) SAE heaped •Shoe : 450mm(18") triple grouser the dozer blade down

Load Point height m(ft)		Load radius 1.5m (5.0ft)		Load radius 3.0m (10.0ft)		Load radius 4.5m (15.0ft)		At max. reach Capacity		At max. reach Reach
		over-front	over-side	over-front	over-side	over-front	over-side	over-front	over-side	m (ft)
4.5m (15ft)	kg			*1810	*1810			*1690	1120	5.06
	lb			*3990	*3990			*3730	2470	(16.6)
3.0m (10ft)	kg	*3900	*3900	*2380	*2380	*1930	1330	*1710	850	5.75
	lb	*8600	*8600	*5250	*5250	*4250	2930	*3770	1870	(18.9)
1.5m (5ft)	kg			*3330	2400	*2230	1240	*1760	760	5.95
	lb			*7340	5290	*4920	2730	*3880	1680	(19.5)
Ground Line	kg			*3800	2200	*2420	1160	*1810	790	5.70
	lb			*8380	4850	*5340	2560	*3990	1740	(18.7)
-1.5m (5ft)	kg	*4800	*4800	*3560	2160	*2220	1140	*1790	1010	4.93
	lb	*10580	*10580	*7850	4760	*4890	2510	*3950	2230	(16.2)
-3.0m (10ft)	kg	*3960	*3960	*2340	2260					
	lb	*8730	*8730	*5160	4980					

NOTES 1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.